

Section II  
Soil and Site Information

Building Site Development  
Minnehaha County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AcA: Alcester-----	90	Very limited Frost action  Low strength Shrink-swell Flooding	1.00  1.00 0.50 0.40	Somewhat limited Depth to saturated zone Cutbanks cave	0.35  0.10	Not limited	
AcB: Alcester-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Ar: Arlo-----	80	Very limited Frost action  Flooding Depth to saturated zone	1.00  1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00  1.00 0.60	Very limited Depth to saturated zone Flooding	1.00  0.60
Ba: Baltic-----	90	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00  1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00  0.28 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00
Bb: Baltic-----	90	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00  1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00  0.28 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00
BcA: Benclare-----	60	Very limited Low strength  Shrink-swell Frost action	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.61  0.10 0.03	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Corson-----	30	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Very limited Too clayey	1.00
BeE: Betts-----	45	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Ethan-----	35	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
BfA: Blendon-----	85	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
BhB: Blendon-----	55	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Henkin-----	25	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Bo: Bon-----	85	Very limited Flooding Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 0.61 0.60	Somewhat limited Flooding	0.60
Cb: Chancellor-----	80	Very limited Frost action  Flooding  Low strength Shrink-swell Depth to saturated zone	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Flooding  Too clayey Cutbanks cave	1.00 0.80 0.12 0.10	Very limited Flooding  Depth to saturated zone	1.00 1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cc: Chancellor-----	50	Very limited Frost action  Flooding  Low strength Shrink-swell Depth to saturated zone	1.00  1.00  1.00 1.00 1.00	Very limited Depth to saturated zone Flooding  Too clayey Cutbanks cave	1.00  0.80  0.12 0.10	Very limited Flooding  Depth to saturated zone	1.00  1.00
Tetonka-----	30	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00  1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00  0.28 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00
Cd: Chaska-----	80	Very limited Frost action  Flooding Depth to saturated zone	1.00  1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00  1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
Ch: Chaska-----	75	Very limited Frost action Flooding  Depth to saturated zone	1.00 1.00  0.19	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00  0.80	Very limited Flooding Depth to saturated zone	1.00 0.19
Cm: Clamo-----	90	Very limited Frost action  Flooding  Low strength Shrink-swell Depth to saturated zone	1.00  1.00  1.00 1.00 1.00	Very limited Depth to saturated zone Flooding  Cutbanks cave Too clayey	1.00  0.60  0.10 0.03	Very limited Too clayey  Depth to saturated zone Flooding	1.00  1.00 0.60

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CoB: Corson-----	80	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Very limited Too clayey	1.00
CoC: Corson-----	80	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Very limited Too clayey	1.00
CpC: Corson-----	55	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Very limited Too clayey	1.00
Henkin-----	25	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
CrD: Crofton-----	45	Very limited Low strength Slope Frost action	1.00 0.63 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
Nora-----	40	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
CrE: Crofton-----	55	Very limited Slope Low strength Frost action	1.00 1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Nora-----	35	Very limited Slope Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CsD: Crofton-----	50	Very limited Low strength Slope Frost action	1.00 0.63 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
Shindler-----	30	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
DcA: Davis-----	85	Very limited Low strength  Shrink-swell Frost action Flooding	1.00  0.50 0.50 0.40	Somewhat limited Depth to saturated zone Cutbanks cave	0.61  0.10	Not limited	
DcB: Davis-----	80	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
DcC: Davis-----	80	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Dd: Davison-----	45	Very limited Frost action  Shrink-swell	1.00  0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.99  0.10	Not limited	
Crossplain-----	40	Very limited Frost action  Flooding  Low strength Depth to saturated zone Shrink-swell	1.00  1.00  1.00 1.00 0.50	Very limited Depth to saturated zone Flooding  Cutbanks cave	1.00  0.80  0.10	Very limited Flooding  Depth to saturated zone	1.00  1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
DeA: Delmont-----	45	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.02
Enet-----	35	Not limited		Very limited Cutbanks cave	1.00	Not limited	
DeB: Delmont-----	40	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.02
Enet-----	40	Not limited		Very limited Cutbanks cave	1.00	Not limited	
DgC: Delmont-----	45	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.02
Talmo-----	30	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.51
DgD: Delmont-----	40	Somewhat limited Slope	0.63	Very limited Cutbanks cave Slope	1.00 0.63	Somewhat limited Slope Droughty	0.63 0.02
Talmo-----	35	Somewhat limited Slope	0.63	Very limited Cutbanks cave Slope	1.00 0.63	Somewhat limited Slope Droughty	0.63 0.51
DmA: Dempster-----	80	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
DmB: Dempster-----	80	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
DtB: Dempster-----	65	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Talmo-----	25	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.51
Dw: Dimo-----	75	Very limited Frost action Flooding  Low strength Shrink-swell Depth to saturated zone	1.00 1.00  1.00 0.50 0.03	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.03
DxB: Dobalt-----	85	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Cutbanks cave	0.10	Not limited	
DyA: Dobalt-----	70	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Cutbanks cave	0.10	Not limited	
Bonilla-----	25	Very limited Low strength  Shrink-swell Frost action	1.00  0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
EaB: Egan-----	55	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Ethan-----	30	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
EeB: Egan-----	35	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ethan-----	25	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Trent-----	25	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47  0.10	Not limited	
EfA: Egan-----	50	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Trent-----	30	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47  0.10	Not limited	
EgB: Egan-----	35	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Wentworth-----	30	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Trent-----	20	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47  0.10	Not limited	
EnA: Enet-----	85	Somewhat limited Flooding	0.40	Very limited Cutbanks cave Depth to saturated zone	1.00 0.24	Not limited	



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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
EOA: Enet-----	45	Somewhat limited Flooding	0.40	Very limited Cutbanks cave Depth to saturated zone	1.00 0.24	Not limited	
Dimo-----	35	Very limited Frost action Flooding  Low strength Shrink-swell Depth to saturated zone	1.00 1.00  1.00 0.50 0.03	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00  0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.03
EpD: Ethan-----	45	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
Betts-----	35	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
EsE: Ethan-----	50	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Clarno-----	30	Very limited Low strength  Shrink-swell Frost action Slope	1.00  0.50 0.50 0.37	Somewhat limited Slope  Cutbanks cave	0.37  0.10	Very limited Content of large stones Slope	1.00 0.37
EtD: Ethan-----	50	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Clarno-----	30	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
EuC: Ethan-----	45	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Egan-----	35	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
ExC: Ethan-----	45	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Egan-----	35	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
FaA: Flandreau-----	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Very limited Cutbanks cave	1.00	Not limited	
FaB: Flandreau-----	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Very limited Cutbanks cave	1.00	Not limited	
FtB: Flandreau-----	60	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Very limited Cutbanks cave	1.00	Not limited	
Thurman-----	25	Not limited		Very limited Cutbanks cave	1.00	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
GrA: Graceville-----	80	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
GsB: Grovena-----	80	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
GvA: Grovena-----	65	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Bonilla-----	25	Very limited Low strength  Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
HoB: Houdek-----	80	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
HsC: Houdek-----	65	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Shindler-----	20	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
HsD: Houdek-----	55	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Shindler-----	25	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
HtD: Houdek-----	45	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
Talmo-----	35	Somewhat limited Slope	0.63	Very limited Cutbanks cave Slope	1.00 0.63	Somewhat limited Slope Droughty	0.63 0.51
HuA: Huntimer-----	85	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
HuB: Huntimer-----	80	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
IhA: Ihlen-----	85	Very limited Frost action  Low strength Shrink-swell Depth to hard bedrock	1.00  1.00 0.50 0.42	Very limited Depth to hard bedrock Cutbanks cave	1.00  0.10	Somewhat limited Depth to bedrock	0.42
IrB: Ihlen-----	60	Very limited Frost action  Low strength Shrink-swell Depth to hard bedrock	1.00  1.00 0.50 0.42	Very limited Depth to hard bedrock Cutbanks cave	1.00  0.10	Somewhat limited Depth to bedrock	0.42

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Rock Outcrop, Hard--	25	Not rated		Not rated		Not rated	
IrE: Ihlen-----	45	Very limited Frost action	1.00	Very limited Depth to hard bedrock	1.00	Somewhat limited Slope	0.96
		Low strength	1.00	Slope	0.96	Depth to bedrock	0.42
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Depth to hard bedrock	0.42				
Rock Outcrop, Hard--	40	Not rated		Not rated		Not rated	
Ja: Janude-----	90	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone	0.15	Not limited	
		Flooding	0.40	Cutbanks cave	0.10		
La: Lamo-----	80	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Flooding	0.60
		Flooding	1.00	Flooding	0.60	Depth to saturated zone	0.19
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Depth to saturated zone	0.19				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lb: Lamo-----	75	Very limited Frost action  Flooding  Low strength Shrink-swell Depth to saturated zone	1.00  1.00  1.00 0.50 0.19	Very limited Depth to saturated zone Flooding  Cutbanks cave	1.00  0.80  0.10	Very limited Flooding  Depth to saturated zone	1.00  0.19
MdB: Moody-----	80	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
MgA: Moody-----	40	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Gayville-----	40	Somewhat limited Frost action  Flooding	0.50  0.40	Somewhat limited Depth to saturated zone Cutbanks cave	0.95  0.10	Not limited	
MnB: Moody-----	45	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Nora-----	30	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
MnC: Moody-----	50	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Nora-----	25	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
MtA: Moody-----	50	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Trent-----	40	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47  0.10	Not limited	
NcC: Nora-----	50	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Crofton-----	30	Very limited Low strength Frost action	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Ob: Obert-----	95	Very limited Depth to saturated zone Frost action  Flooding Shrink-swell Low strength	1.00  1.00  1.00 1.00 1.00	Very limited Depth to saturated zone Ponding  Flooding Cutbanks cave	1.00  1.00  0.80 0.10	Very limited Flooding  Depth to saturated zone Ponding	1.00  1.00 1.00
Og: Orthents, Gravelly--	95	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Gravel content Droughty	1.00 0.25 0.01
Or: Orthents, Loamy-----	90	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ow: Orthents, Gravelly--	55	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Gravel content Droughty	1.00 0.25 0.01
Aquents, Gravelly---	35	Very limited Ponding Depth to saturated zone Frost action	1.00 1.00 0.50	Very limited Ponding Depth to saturated zone Cutbanks cave	1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Droughty Gravel content	1.00 1.00 0.63 0.25
Pt: Rock Outcrop, Hard--	90	Not rated		Not rated		Not rated	
Sa: Salmo-----	75	Very limited Frost action  Flooding  Low strength Depth to saturated zone Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding  Cutbanks cave	1.00 0.80 0.10	Very limited Flooding  Depth to saturated zone Salinity	1.00 1.00 1.00
SdE: Shindler-----	50	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Houdek-----	25	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00



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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
SnE: Shindler-----	45	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Talmo-----	35	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Droughty	1.00 0.51
SpA: Splitrock-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
SpB: Splitrock-----	85	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
SsF: Steinauer-----	40	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Shindler-----	35	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
TdE: Talmo-----	40	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Droughty	1.00 0.51
Delmont-----	35	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Droughty	1.00 0.02

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Te: Tetonka-----	90	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00  1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00  0.28 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00
TfC: Thurman-----	40	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Flandreau-----	35	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Very limited Cutbanks cave	1.00	Not limited	
TgD: Thurman-----	40	Somewhat limited Slope	0.63	Very limited Cutbanks cave Slope	1.00 0.63	Somewhat limited Slope	0.63
Grovena-----	35	Very limited Frost action Slope	1.00 0.63	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
Tr: Trent-----	80	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47  0.10	Not limited	
W: Water-----	100	Not rated		Not rated		Not rated	
Wa: Wakonda-----	45	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.95  0.10	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Chancellor-----	35	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Low strength	1.00	Too clayey	0.12		
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Depth to saturated zone	1.00				
WcA: Wentworth-----	45	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
Chancellor-----	25	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Low strength	1.00	Too clayey	0.12		
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Depth to saturated zone	1.00				
Wakonda-----	20	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.95	Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
WhA: Wentworth-----	55	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
Trent-----	30	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
WhB: Wentworth-----	60	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Trent-----	25	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47  0.10	Not limited	
Wk: Whitewood-----	80	Very limited Frost action  Flooding  Low strength Depth to saturated zone Shrink-swell	1.00  1.00  1.00 1.00 0.50	Very limited Depth to saturated zone Flooding  Cutbanks cave	1.00  0.80  0.10	Very limited Flooding  Depth to saturated zone	1.00  1.00
Wo: Worthing-----	95	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00 0.50 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00
Wr: Worthing-----	45	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00 0.50 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00
Davison-----	35	Very limited Frost action  Shrink-swell	1.00  0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.99  0.10	Not limited	